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ABSTRACT

The Skill Acquisition Measures (SAM) were designed by the Lancaster (Pennsylvania) School District as criterion referenced tests for mathematics. This manual consists of copies of the student test forms for level 4, with additional information for the teacher's use. Each of the test items is presented with the correct answers and the criteria for scoring. In addition, notes are provided if there are special instructions for administering or scoring that particular item. The level 4 skills relate to the following vocabulary terms: (1) ten--thousands; (2) hundred--thousands; (3) millions; (4) denominator; (5) numerator; (6) divisor; (7) dividend; (8) quotient; (9) remainder; (10) equivalent; (11) millimeter; (12) kilometer; (13) perimeter; (14) milliliter; (15) milligram; (16) capacity; (17) mass; (18) decade; (19) century; (20) area; (21) volume; (22) cylinder; (23) cone; (24) cube; (25) sphere; and (26) pyramid. (TW)

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SCHOOL DISTRICT OF LANCASTER

SKILL ACQUISITION MEASURES

(SAM)

TEACHER'S MANUAL

ELEMENTARY MATHEMATICS
LEVEL IV

BEST COPY AVAILABLE

SKILL AQUISITION MEASURES

The SAM measures are designed as criterion referenced measures, that is, they are intended to measure whether or not a student has mastered a particular skill. The emphasis is on the individual student and his learning progress rather than toward the class of students and the instruction that has taken place. The SAM procedures should generally replace much of the other on-going testing in the classroom.

The tests can be grouped in any way in which the teacher instructs the students. In other words, if the teacher is teaching a unit which includes several objectives from different parts of the curriculum, these objectives can all be tested at once at the end of the unit by pulling the tests for each of the individual objectives and administering them to the students. Testing can be done in groups or individually depending on the situation and the type of test being used.

It should be noted that not all of the skills in the sequence are tested by the SAM materials. Instruction should continue to be based on the skill sequence and not on the SAM Teacher's Manual, otherwise some skills would be missed.

Testing Throughout the Year

Teachers will be administering the tests as they complete their instructional sequences during the year. It is suggested that the tests be administered approximately one week after the instruction has been completed. If the students do not meet the criteria the first time the test is given, the test should be re-administered after additional instruction has taken place. A student should not be tested more than three times with the same test.

On the computerized roster sheets each student's name is listed with his/her previous skills mastery record. Entries during the current year are to be made on the same class record sheet for each skill in the sequence as they are administered. A "+" sign should be recorded if the student meets the criteria stated in the teacher's manual. If the student does not meet the criteria, a "-" sign should be entered. When the student is retested the "+" or "-" sigh should be recorded again. Since the test can be administered three times it is possible to have three signs such as "-," "-," "-" or "-," "-," "+" or "-," "+," "-" all in the same box. When more than one sign appear in the box, please circle the one which corresponds to the last administration of the test. For example "-," "-," "(+)"

Through the year teachers will need to keep a running tabulation on the SAM's which are administered.

At the end of the school year all computerized class rosters should be completed and returned to the Math Office for tabulation. Principals will receive, in September, the results for their buildings to share with the teachers.

The test materials should be kept in a secure location. Used test materials should not be returned to students.

Test Manual

The teachers manual consists of copies of the student test forms with additional information provided for the teacher's use. In the manual each of the test items in the sequence is presented with the correct answers and the criteria for scoring. In addition, notes are provided if there are special instructions for administering or scoring that particular item.

If you have any questions, contact Dr. Stratigos the math/computer coordinator at 6204.

LEVEL 4 VOCABULARY

1. TEN - THOUSANDS
2. HUNDRED - THOUSANDS
3. MILLIONS
4. DENOMINATOR
5. NUMERATOR
6. DIVISOR
7. DIVIDEND
8. QUOTIENT
9. REMAINDER
10. EQUIVALENT
11. MILLIMETER
12. KILOMETER
13. PERIMETER
14. MILLILITER
15. MILLIGRAM
16. CAPACITY
17. MASS
18. DECADE
19. CENTURY
20. AREA
21. VOLUME
22. CYLINDER
23. CONE
24. CUBE
25. SPHERE
26. PYRAMID

No. 4-217

SKILL; COMPLETE SKIP COUNTING SEQUENCES. (NUMBER PATTERNS)

MASTERY: 3 OF 4 COMPLETE

ANSWERS:

1. 24, 32

2. 22, 25

3. 18, 36

4. 39, 41

NOTE:

No. 4-217

COMPLETE THESE SKIP COUNTING SEQUENCES.

1. 16, 20, ____, 28, ____

2. 10, 12, 15, 17, 20, ____, ____

3. 6, 12, ____, 24, 30, ____, 42

4. 20, 25, 27, 32, 3., ____, ____

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-219

SKILL: ROUND OFF NUMBERS TO THE NEAREST TENS.

MASTERY: 3 OF 4

ANSWERS:

1. 50
2. 10
3. 120
4. 1440

NOTE:

No. 4-219

ROUND OFF TO THE NEAREST TENS

1. 54 _____
2. 8 _____
3. 123 _____
4. 1436 _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-220

SKILL: ROUND OFF NUMBERS TO THE NEAREST HUNDREDS.

MASTERY: 3 OF 4

ANSWERS:

1. 200
2. 2400
3. 300
4. 100

NOTE:

No. 4-220

ROUND OFF TO THE NEAREST HUNDREDS.

1. 190_____
2. 2436_____
3. 321_____
4. 87_____

NAME:_____

NOT PASSED_____ PASSED_____
(DATE) (DATE)

No. 4-221

SKILL: ROUND OFF NUMBERS TO THE NEAREST HUNDREDS.

MASTERY: 3 OF 4

ANSWERS:

1. 500
2. 600
3. 100
4. 900

NOTE:

No. 4-221

ROUND OFF NUMBERS TO THE NEAREST THOUSANDS.

1. 456 _____
2. 584 _____
3. 53 _____
4. 889 _____

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4- 222

SKILL: IDENTIFY THE COMMAS USED TO SEPARATE NUMBER FAMILIES IN A 5 OR MORE DIGIT NUMBER.

MASTERY: 3 OF 3

ANSWERS:

1. 13,426,310

2. 596,342,126

3. 647,942,120

NOTE:

No. 4- 222

CIRCLE:

1. THE COMMA THAT SEPARATES THE THOUSANDS FROM THE HUNDREDS.

13,426,310

2. THE COMMA THAT SEPARATES THE THOUSANDS FROM THE MILLIONS.

596,342,126

3. THE COMMA THAT SEPARATES THE MILLIONS FROM THE THOUSANDS.

647,942,120

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4- 223

SKILL: PLACE THE COMMAS IN A FIVE OR MORE DIGIT NUMBER.

MASTERY: 3 OF 4

ANSWERS:

63, 578

9, 603, 245

64, 832, 619

235, 624, 789

NOTE:

No. 4- 223

PUT THE COMMAS IN THE CORRECT PLACES.

1. 63578

2. 9603245

3. 64832619

4. 235624789

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-224
SKILL: READ ANY NUMBER UP TO 9 DIGITS.

MASTERY: 3 OF 4

ANSWERS:

NOTE: TESTED ORALLY BY TEACHER. THESE ARE EXAMPLES THAT COULD BE USED.

No. 4-224
READ THESE NUMBERS.

1. 24,608

2. 126,007

3. 7,843,296

4. 513,472,655

NAME: _____

NOT PASSED _____ PASSED _____
(DATE) (DATE)

No. 4-225

SKILL: WRITE ANY NUMBER UP TO NINE DIGITS.

MASTERY: 3 OF 4

ANSWERS:

1. 37,462,190

2. 9,780,405

3. 829,509,886

4. 936,800

NOTE: READ THE NUMBERS TO THE CHILDREN. MAY BE READ MORE THAN ONCE.

No. 4-225

WRITE THE NUMBER YOUR TEACHER SAYS.

1. _____

2. _____

3. _____

4. _____

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-226

SKILL: IDENTIFY PLACE VALUES IN NUMBERS UP TO SEVEN DIGITS.

MASTERY: 3 OF 4

ANSWERS:

1. A. 7
   B. 1
   C. 6
   D. 8

2. A. 1
   B. 8
   C. 4
   D. 3

NOTE: SPELLING DOES NOT COUNT.
3 OF 4 COMPLETED PROBLEMS.

No. 4-225

FILL IN THE BLANKS:

1. 8,679,103

   A. THE ____ IS IN THE TEN THOUSANDS PLACE.
   B. THE ____ IS IN THE HUNDREDS PLACE.
   C. THE ____ IS IN THE HUNDRED THOUSANDS PLACE.
   D. THE ____ IS IN THE ONE MILLIONS PLACE.

2. 31,482

   A. THE ____ IS IN THE THOUSANDS PLACE.
   B. THE ____ IS IN THE TENS PLACE.
   C. THE ____ IS IN THE HUNDREDS PLACE.
   D. THE ____ IS IN THE TEN THOUSANDS PLACE.

NAME:_____

NOT PASSED_____ PASSED_____
(DATE) (DATE)

No. 4-226 (PAGE 2)
SKILL:

MASTERY:

ANSWERS:

3.
A. HUNDREDS
B. HUNDRED THOUSANDS
C. ONES
D. TENS

4.
A. THOUSANDS
B. MILLIONS
C. TEN THOUSANDS
D. TENS

NOTE:

No. 4-226 (PAGE 2)

3. 146,325
A. THE 3 IS IN THE_____PLACE
B. THE 1 IS IN THE_____PLACE
C. THE 5 IS IN THE_____PLACE
D. THE 2 IS IN THE_____PLACE

4. 6,432,159
A. THE 2 IS IN THE_____PLACE
B. THE 6 IS IN THE_____PLACE
C. THE 3 IS IN THE_____PLACE
D. THE 5 IS IN THE_____PLACE

NAME:_____

NOT PASSED_____ PASSED_____
(DATE) (DATE)

No. 4-227

SKILL: WRITE ANY NUMBER UP TO SEVEN DIGITS WHEN GIVEN THE PLACE VALUES.

MASTERY: 3 OF 4

ANSWERS:

1. 3,695,201

2. 742,819

3. 8,126,140

4. 79,258

NOTE: MAKE SURE CHILDREN WATCH OUT FOR RANDOM ORDER.

No. 4-227

COMPLETE.

1. 6 HUNDRED THOUSANDS + 2 HUNDREDS + 5 THOUSANDS + 0 TENS + 3 MILLIONS + 1 ONE + 9 TEN THOUSANDS = _____

2. 8 HUNDREDS + 4 TEN THOUSANDS + 9 ONES + 2 THOUSANDS + 7 HUNDRED THOUSANDS + 1 TEN = _____

3. 8 MILLIONS + 1 HUNDRED THOUSANDS + 2 TEN THOUSANDS + 6 THOUSANDS + 1 HUNDRED + 4 TENS + 0 ONES = _____

4. 9 THOUSANDS + 8 ONES + 7 TEN THOUSANDS + 2 HUNDREDS + 5 TENS = _____

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-228

SKILL: DIFFERENTIATE BETWEEN THE LARGER AND SMALLER OF FIVE TO NINE DIGIT NUMBERS.

MASTERY: 3 OF 4

ANSWERS:

1. 7, 653, 428
2. 57, 102
3. 57, 813, 241
4. 113, 562, 302

NOTE:

No. 4-228

CIRCLE THE LARGER NUMBER OF EACH PAIR.

1.	7, 653, 428	7, 563, 428
2.	56, 246	57, 102
3.	57, 803, 241	57, 813, 241
4.	113, 562, 302	111, 763, 522

NAME:_____

NOT PASSED_____ PASSED_____

(DATE) (DATE)

No. 4-229

SKILL: USE THE GROUPING PRINCIPAL TO SOLVE COLUMN ADDITION.

MASTERY: 3 OF 4

ANSWERS:

1. 9

2. 17

3. 19

4. 13

NOTE:

No. 4-229

FIND THE SUMS BY ADDING THE NUMBERS.

1.
$$\begin{array}{r} 2 \\ 5 \\ +\ 2 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 7 \\ 2 \\ +\ 8 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 7 \\ 5 \\ 3 \\ +\ 4 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 3 \\ 4 \\ 4 \\ +\ 2 \\ \hline \end{array}$$

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-230

SKILL: ADD MULTI-DIGIT ADDENDS WITHOUT REGROUPING.

MASTERY: 3 OF 4

ANSWERS:

1. 9968

2. 6988

3. 7998

4. 8898

NOTE:

No. 4-230

FIND THE SUMS.

1.
$$\begin{array}{r} 2103 \\ 3343 \\ +\ 4522 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 5421 \\ 263 \\ +\ 1304 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 1427 \\ 6450 \\ +\ 121 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 3142 \\ 2635 \\ +\ 3121 \\ \hline \end{array}$$

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-231

SKILL: ADD MULTI-DIGIT ADDENDS WITH REGROUPING.

MASTERY: 3 OF 4

ANSWERS:

1. 12,382

2. 10,345

3. 45,502

4. 74,373

NOTE:

No. 4-231

FIND THE SUMS.

1.
$$\begin{array}{r} 6457 \\ 2654 \\ +\,3271 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 5321 \\ 788 \\ +\,4236 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 12,475 \\ 8,123 \\ +\,24,904 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 69,275 \\ 462 \\ +\,4,636 \\ \hline \end{array}$$

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-232

SKILL: USE REGROUPING TO SOLVE MULTI-DIGIT PROBLEMS IN SUBTRACTION (WITH NO ZEROS IN THE MINUEND).

MASTERY: 3 OF 4

ANSWERS:

1. 3478
2. 1891
3. 10,915
4. 22,875

NOTE:

No. 4-232

SOLVE.

1. 4327 − 849
2. 7983 − 6092
3. 19,634 − 8,719
4. 87,636 − 64,761

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-233

SKILL: USE REGROUPING TO SOLVE MULTI-DIGIT PROBLEMS IN SUBTRACTION WITH ONE OR MORE ZEROS IN THE MINUEND.

MASTERY: 3 OF 4

ANSWERS:

1. 4459

2. 456

3. 20,414

4. 35,252

NOTE:

No. 4-233

SOLVE.

1. $\begin{array}{r} 5208 \\ -\ 749 \\ \hline \end{array}$

2. $\begin{array}{r} 750 \\ -294 \\ \hline \end{array}$

3. $\begin{array}{r} 28,042 \\ -\ 7,628 \\ \hline \end{array}$

4. $\begin{array}{r} 59,004 \\ -23,752 \\ \hline \end{array}$

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-234

SKILL: CALCULATE MULTIPLICATION FACTS THROUGH 10 x 10 USING REPEATED ADDITION.

MASTERY: 3 OF 4

ANSWERS:

1. 8 x 6 = 48

   6 + 6 + 6 + 6 + 6 + 6 + 6 + 6

   = 48

2. 6 x 9 = 54

   9 + 9 + 9 + 9 + 9 + 9 = 54

NOTE:

No. 4-234

USE REPEATED ADDITION TO SOLVE THE MULTIPLICATION PROBLEMS.

EXAMPLE: 6 x 3 = 18

3 + 3 + 3 + 3 + 3 + 3 = 18

1. 8 x 6 = _____

___ + ___ + ___ + ___ + ___ + ___ + ___ + ___

= _____

2. 6 x 9 = _____

___ + ___ + _____ + _____ + ___ + ___

= _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-234 (CONTINUED)
SKILL:

MASTERY:

ANSWERS:

3. $7 \times 7 = 49$

$7 + 7 + 7 + 7 + 7 + 7 + 7$

$= 49$

4. $9 \times 8 = 72$

$8 + 8 + 8 + 8 + 8 + 8 + 8 +$

$8 + 8 = 72$

NOTE:

No. 4-234 (CONTINUED)

3. $7 \times 7 =$ _____

___ + ___ + ___ + ___ + ___ + ___ +

___ = _____

4. $9 \times 8 =$ _____

___ + ___ + ___ + ___ + ___ + ___ +

___ + ___ + ___ = _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-235

SKILL: RECITE FROM MEMORY THE MULTIPLICATION FACTS THROUGH 10 X 10.

MASTERY: 22 OF 25

ANSWERS:

63, 48, 81, 21, 42

64, 28, 72, 27, 100

45, 56, 36, 10, 18

54, 32, 35, 18, 50

42, 48, 63, 49, 72

NOTE: CHILD SHOULD NOT SEE TEST UNTIL AFTER DIRECTIONS ARE GIVEN.
MAY USE FLASHCARD TO TEST.

No. 4-235

TESTED ORALLY

7	8	9	7	6
x 9	x 6	x 9	x 3	x 7
8	7	8	9	10
x 8	x 4	x 9	x 3	x 10
9	8	6	10	9
x 5	x 7	x 6	x 1	x 2
9	8	7	6	10
x 6	x 4	x 5	x 3	x 5
7	6	9	7	9
x 6	x 8	x 7	x 7	x 8

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-236

SKILL: WRITE FROM MEMORY THE MULTIPLICATION FACTS THROUGH 10 X 10.

MASTERY: 22 OF 25

ANSWERS:

32, 20, 36, 45, 63

56, 90, 18, 42, 40

49, 63, 30, 30, 40

72, 24, 10, 81, 12

24, 54, 70, 48, 56

NOTE: TIME TESTED - 3 MINUTES CHILD SHOULD NOT SEE TEST UNTIL TIME BEGINS.

8	10	6	9	7
x 4	x 2	x 6	x 5	x 9
8	10	6	7	10
x 7	x 9	x 3	x 6	x 4
7	9	6	10	8
x 7	x 7	x 5	x 3	x 5
9	6	10	9	6
x 8	x 4	x 1	x 9	x 2
8	9	7	8	7
x 3	x 6	x 10	x 6	x 8

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4- 237

SKILL: MULTIPLY A MULTIPLE OF 100 OR 1000 BY A SINGLE DIGIT.

MASTERY: 3 OF 4

ANSWERS:

1. 1400

2. 15,000

3. 4000

4. 72,000

NOTE:

No. 4-237

SOLVE THE PROBLEMS

1. 7 x 200 = _____

2. 3000 x 5 = _____

3. 500 x 8 = _____

4. 9 x 8000 = _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-238

SKILL: MULTIPLY ANY 3 OR 4 DIGIT FACTORS BY ANY ONE DIGIT FACTOR.

MASTERY: 3 OF 4

ANSWERS:

1. 3710
2. 1470
3. 30,115
4. 14,568

NOTE:

NO. 4-238

SOLVE

1. 530 × 7 = ____
2. 245 × 6 = ____
3. 6023 × 5 = ____
4. 3642 × 4 = ____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-239

SKILL: MULTIPLY TWO 2-DIGIT FACTORS

MASTERY: 3 OF 4

ANSWERS:

1. 1584
2. 3640
3. 4648
4. 3700

NOTE:

No. 4-239

SOLVE

1. 66×24
2. 40×91
3. 56×83
4. 74×50

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-240

SKILL: MULTIPLY A 3 DIGIT FACTOR BY A 2 DIGIT FACTOR.

MASTERY: 3 OF 4

ANSWERS:

1. 5658
2. 25,335
3. 28,200
4. 26,820

NOTE:

53

No. 4-240

SOLVE

1. 246 × 23

2. 563 × 45

3. 600 × 47

4. 894 × 30

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-241

SKILL: IDENTIFY THE DIVISION SIGN. (÷)

MASTERY:

ANSWERS:

NOTE:

No. 4 - 241

NOT TESTED

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-242

SKILL: SOLVE DIVISION EQUATIONS USING REPEATED SUBTRACTION. (OPTIONAL)

MASTERY: 3 OF 4

ANSWERS:

1. $32 \div 8 = 4$

$$\begin{array}{r} 32 \\ -\ 8 \\ \hline 24 \\ -\ 8 \\ \hline 16 \\ -\ 8 \\ \hline 8 \\ -\ 8 \\ \hline 0 \end{array}$$

2. $24 \div 6 = 4$

$$\begin{array}{r} 24 \\ -\ 6 \\ \hline 18 \\ -\ 6 \\ \hline 12 \\ -\ 6 \\ \hline 6 \\ -\ 6 \\ \hline 0 \end{array}$$

3. $15 \div 5 = 3$

$$\begin{array}{r} 15 \\ -\ 5 \\ \hline 10 \\ -\ 5 \\ \hline 5 \\ -\ 5 \\ \hline 0 \end{array}$$

NOTE:

4. $27 \div 9 = 3$

$$\begin{array}{r} 27 \\ -\ 9 \\ \hline 18 \\ -\ 9 \\ \hline 9 \\ -\ 9 \\ \hline 0 \end{array}$$

NO. 4-242

USE REPEATED SUBTRACTION TO FIND THE ANSWERS.

EXAMPLE: $12 \div 4 = 3$

$$\begin{array}{r} 12 \\ -\ 4 \\ \hline 8 \\ -\ 4 \\ \hline 4 \\ -\ 4 \\ \hline 0 \end{array}$$

1. $32 \div 8 =$ _____

2. $24 \div 6 =$ _____

3. $15 \div 5 =$ _____

4. $27 \div 9 =$ _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-243

SKILL: COORDINATE VOCABULARY WITH THE DIVISION PROCESS (DIVISOR, DIVIDEND, QUOTIENT, REMAINDER)

MASTERY: 7 OF 9

ANSWERS:

1. DIVISOR
2. QUOTIENT
3. REMAINDER
4. DIVISION
5. DIVIDEND
6. DIVIDEND
7. DIVISOR
8. DIVISION
9. QUOTIENT

NOTE:

FILL IN THE BLANKS USING THE WORDS: DIVISION, DIVISOR, DIVIDEND, QUOTIENT, REMAINDER.

$$\begin{array}{r} 21\text{R}1 \\ 7\overline{)148} \\ \underline{14} \\ 8 \\ \underline{7} \\ 1 \end{array}$$

IN THIS PROBLEM:

1. 7 IS THE _____
2. 21 IS THE _____
3. 1 IS THE _____
4. $\overline{)}$ IS THE SIGN FOR _____
5. 148 IS THE _____

$16 \div 2 = 8$

IN THIS PROBLEM:

6. 16 IS THE _____
7. 2 IS THE _____
8. $\div$ IS THE SIGN FOR _____
9. 8 IS THE _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-244

SKILL: DEMONSTRATE THE RELATIONSHIP BETWEEN DIVISION AND MULTIPLICATION USING FACTOR EQUATIONS.

MASTERY: 3 OF 4

ANSWERS:

2. C
3. E
4. A
5. B

NOTE: # 1 IS DONE AS AN EXAMPLE.

No. 4-244

MATCH COLUMN B WITH COLUMN A. PUT THE LETTER IN THE BLANK.

A	B
1. 8 x 5 = 40 F	A. 35 ÷ 7 = 5
2. 4 x 7 = 28 ___	B. 18 ÷ 9 = 2
3. 6 x 3 = 18 ____	C. 28 ÷ 7 = 4
4. 7 x 5 = 35 ____	D. 21 ÷ 3 = 7
5. 9 x 2 = 18 ____	E. 18 ÷ 3 = 6
	F. 40 ÷ 5 = 8

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4- 245

SKILL: IDENTIFY THE SPECIAL PROPERTY OF ZERO AS A DIVIDEND. (ALSO, SHOW THAT DIVISION BY ZERO IS UNDEFINED).

MASTERY: 5 OF 6

ANSWERS:

1. 0
2. 0
3. CAN'T BE DONE X
4. 0
5. 0
6. CAN'T BE DONE X

NOTE:

NO. 4- 245

SOLVE. PUT AN X ON ANY PROBLEMS THAT CANNOT BE DONE.

1. $0 \div 25 =$ _____
2. ____ $\div 6 = 0$
3. $12 \div 0 =$ _____
4. $0 \div 14 =$ _____
5. _____ $\div 9 = 0$
6. $27 \div 0 =$ _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-246

SKILL: IDENTIFY THE SPECIAL PROPERTIES OF ONE IN DIVISION.

MASTERY: 3 OF 4

ANSWERS:

1. 6
2. 1
3. 10
4. 8

NOTE:

No. 4-246

SOLVE:

1. $6 \div 1 =$ _____
2. $7 \div$ _____ $= 7$
3. $10 \div 1 =$ _____
4. _____ $\div 1 = 8$

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-247

SKILL: RECITE THE BASIC DIVISION FACTS FROM MEMORY.

MASTERY: 22 OF 25

ANSWERS:

5	10
9	5
8	3
2	8
2	3
2	3
6	9
9	9
7	9
4	4
7	
7	
6	
8	
7	

NOTE: CHILD SHOULD NOT SEE TEST BEFORE TEST BEGINS.
MAY BE TESTED WITH FLASH CARDS.

No. 4-247

$25 \div 5 =$ _____	$20 \div 2 =$ _____
$81 \div 9 =$ _____	$45 \div 9 =$ _____
$32 \div 4 =$ _____	$21 \div 7 =$ _____
$16 \div 8 =$ _____	$40 \div 5 =$ _____
$14 \div 7 =$ _____	$24 \div 8 =$ _____
$12 \div 6 =$ _____	$15 \div 5 =$ _____
$48 \div 8 =$ _____	$27 \div 3 =$ _____
$63 \div 7 =$ _____	$54 \div 6 =$ _____
$28 \div 4 =$ _____	$72 \div 8 =$ _____
$12 \div 3 =$ _____	$16 \div 4 =$ _____

$56 \div 8 =$ _____
$70 \div 10 =$ _____
$42 \div 7 =$ _____
$64 \div 8 =$ _____
$7 \div 1 =$ _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4- 248

SKILL: WRITE THE BASIC DIVISION FACTS FROM MEMORY.

MASTERY: 22 OF 25

ANSWERS:

8	10
4	2
5	7
7	5
8	9
4	4
6	3
7	3
5	6
5	7

5
10
7
6
7

NOTE: 4 MINUTE TIME LIMIT.

$72 \div 9 =$ _____
$32 \div 8 =$ _____
$20 \div 4 =$ _____
$35 \div 5 =$ _____
$56 \div 7 =$ _____

$24 \div 6 =$ _____
$18 \div 3 =$ _____
$63 \div 9 =$ _____
$40 \div 8 =$ _____
$35 \div 7 =$ _____

$40 \div 4 =$ _____
$18 \div 9 =$ _____
$49 \div 7 =$ _____
$30 \div 6 =$ _____
$45 \div 5 =$ _____

$20 \div 5 =$ _____
$12 \div 4 =$ _____
$27 \div 9 =$ _____
$36 \div 6 =$ _____
$28 \div 4 =$ _____

$45 \div 9 =$ _____
$80 \div 8 =$ _____
$42 \div 6 =$ _____
$24 \div 4 =$ _____
$21 \div 3 =$ _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-249

SKILL: CALCULATE QUOTIENTS, WITH NO REMAINDER, IN WHICH THE DIVISOR IS A ONE DIGIT NUMBER AND THE DIVIDEND IS 2,3, OR 4 DIGITS (WITH NO ZERO IN THE QUOTIENT).

MASTERY: 5 OF 6

ANSWERS:

732	57
28	218
125	2481

NOTE:

No. 4-249

SOLVE.

$9\overline{)6588}$	$8\overline{)456}$
$6\overline{)168}$	$4\overline{)872}$
$7\overline{)875}$	$3\overline{)7443}$

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4- 250

SKILL: CALCULATE QUOTIENTS, WITH A ZERO AND NO REMAINDER IN WHICH THE DIVISOR IS A ONE-DIGIT NUMBER AND THE DIVIDEND IS 2, 3, OR 4 DIGITS.

MASTERY: 3 OF 4

ANSWERS:

120 210

402 209

NOTE:

No. 4- 250

SOLVE.

$8\overline{)960}$ $7\overline{)1470}$

$5\overline{)2010}$ $2\overline{)418}$

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-251

SKILL: CALCULATE QUOTIENTS, WITH REMAINDERS, IN WHICH THE DIVISOR IS A ONE DIGIT NUMBER AND THE DIVIDEND IS 2, 3, OR 4 DIGITS.

MASTERY: 3 OF 4

ANSWERS:

1. 8 R1
2. 9 R6
3. 503 R3
4. 130 R3

NOTE:

No. 4-251

SOLVE:

1. $3\overline{)25}$
2. $8\overline{)78}$
3. $4\overline{)2015}$
4. $6\overline{)783}$

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-252

SKILL: CALCULATE QUOTIENTS IN WHICH THE DIVISOR IS A MULTIPLE OF 10 AND THE DIVIDEND IS A 2, 3, OR 4 DIGIT MULTIPLE OF 10

MASTERY: 3 OF 4

ANSWERS:

1. 24
2. 42
3. 3
4. 4 R50

NOTE:

NO. 4-252

SOLVE

1. $20\overline{)480}$
2. $40\overline{)1680}$
3. $30\overline{)90}$
4. $70\overline{)330}$

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4- 253

SKILL: PROVE THE SOLUTION OF A DIVISION PROBLEM THROUGH THE INVERSE OPERATION- MULTIPLICATION.

MASTERY: 3 OF 4

ANSWERS:

1. 44 R2 $\quad 44 \times 8 = 352 + 2 = 354$

2. 15 $\quad 15 \times 5 = 75$

3. 21 $\quad 21 \times 7 = 147$

4. 16 R1 $\quad 16 \times 6 = 96 + 1 = 97$

NOTE:

No. 4- 253

SOLVE AND CHECK THE PROBLEMS

1. $8\overline{)354}$ CHECK

2. $5\overline{)75}$ CHECK

3. $7\overline{)147}$ CHECK

4. $6\overline{)97}$ CHECK

NAME: _____

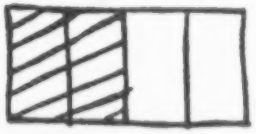
NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-254

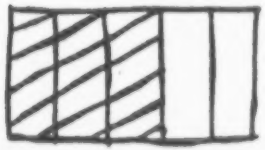
SKILL: IDENTIFY THE TERMS RELATED TO FRACTIONS - DENOMINATOR, NUMERATOR, EQUIVALENT FRACTION.

MASTERY: 100%

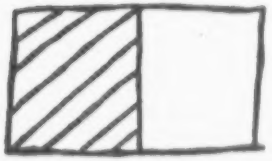
ANSWERS:



$\frac{2}{4}$ ✓



$\frac{3}{5}$

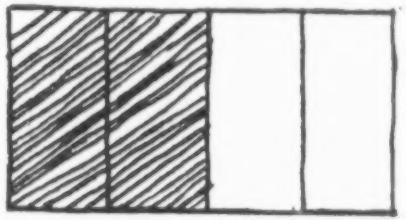


$\frac{1}{2}$ ✓

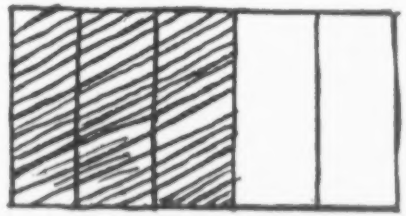
NOTE:

No. 4-254

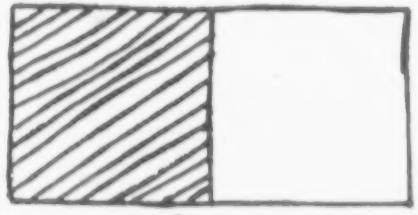
CIRCLE THE DENOMINATOR IN EACH FRACTION. PUT A BOX AROUND EACH NUMERATOR. PUT A CHECK BESIDE THE TWO EQUIVALENT FRACTIONS.



$\frac{2}{4}$



$\frac{3}{5}$



$\frac{1}{2}$

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-255

SKILL: IDENTIFY FRACTIONAL PARTS OF A GIVEN OBJECT UP TO TENTHS

MASTERY: 6 OF 8

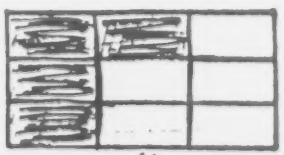
ANSWERS:

1. $\frac{5}{8}$

2. $\frac{5}{6}$

3. $\frac{3}{5}$

4. $\frac{3}{4}$

5.  $\frac{4}{9}$

6. $\frac{4}{7}$

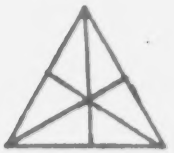
7. $\frac{2}{6}$

8. $\frac{4}{10}$

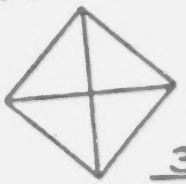
No. 4 255

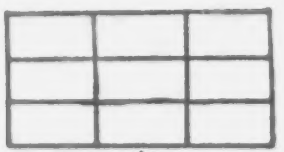
SHADE THE FRACTIONAL PART OF EACH PICTURE

1. $\frac{5}{8}$

2.  $\frac{5}{6}$

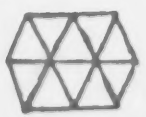
3. $\frac{3}{5}$

4.  $\frac{3}{4}$

5.  $\frac{4}{9}$

6. $\frac{4}{7}$

7. $\frac{2}{6}$

8.  $\frac{4}{10}$

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-256

SKILL: IDENTIFY FRACTIONAL PARTS OF A SET UP TO TENTHS.

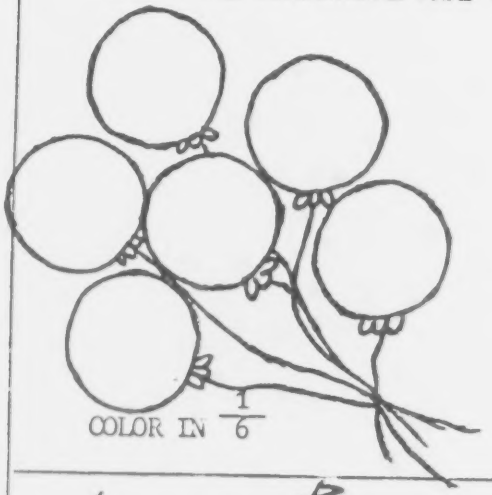
MASTERY: 3 OF 4

ANSWERS:

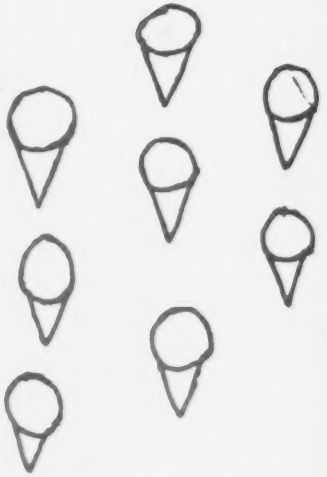
NOTE: ANY CORRECT RESPONSE IS ACCEPTABLE.

No. 4-256

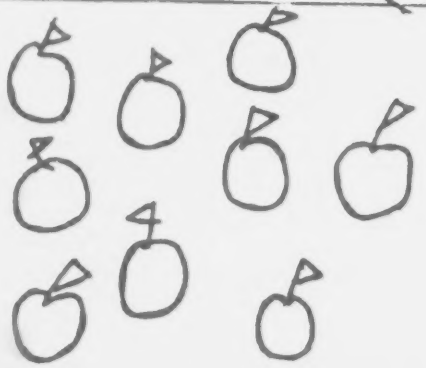
COLOR THE FRACTIONAL PART OF EACH SET.



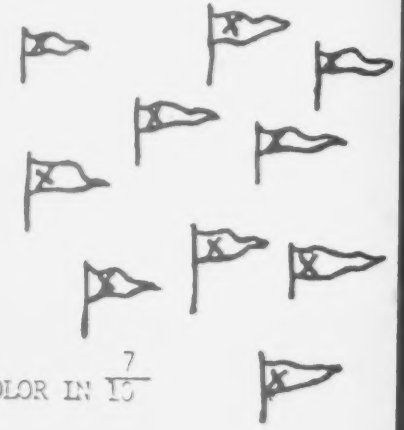
COLOR IN $\frac{1}{6}$



COLOR IN $\frac{5}{8}$



COLOR IN $\frac{4}{9}$



COLOR IN $\frac{7}{10}$

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-257

SKILL: WRITE FRACTIONAL NUMBERS UP TO TENTHS.

MASTERY: 6 OF 8

ANSWERS: 1. 4/9 2. 7/10

3. 3/7 4. 2/3

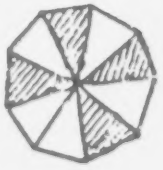
5. 3/8 6. 4/6 OR 2/3

7. 3/5 8. 3/4

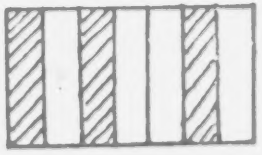
NOTE:

No. 4-257

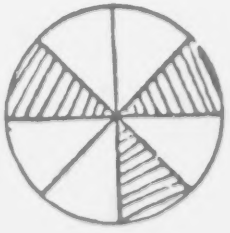
WRITE THE FRACTION FOR THE COLORED PART.

1. 

2.

3. 

4.

5. 

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-257 (PAGE 2)

SKILL: WRITE FRACTIONAL NUMBERS UP TO TENTHS.

MASTERY: 6 OF 8

ANSWERS:

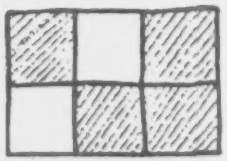
1. 4/9
2. 7/10
3. 3/7
4. 2/3
5. 3/8
6. 4/6 OR 2/3
7. 3/5
8. 3/4

NOTE:

No. 4-257 (PAGE 2)

WRITE THE FRACTION FOR THE COLORED PART.

6.

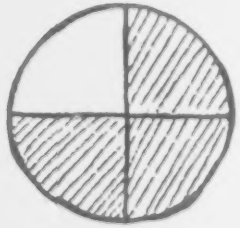


_____

7.

_____

8.



_____

NAME: _____

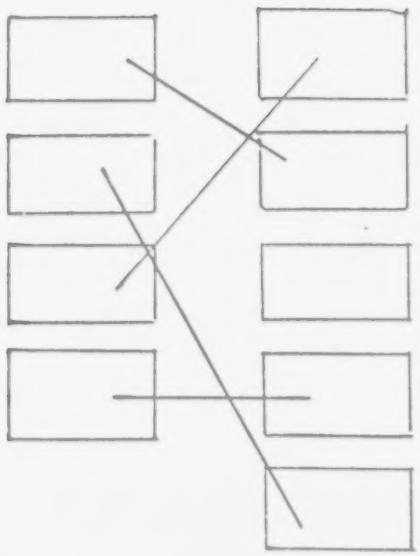
NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-258

SKILL: IDENTIFY EQUIVALENT FRACTIONAL PARTS OF A WHOLE UP TO SIXTHS.

MASTERY: 3 OF 4

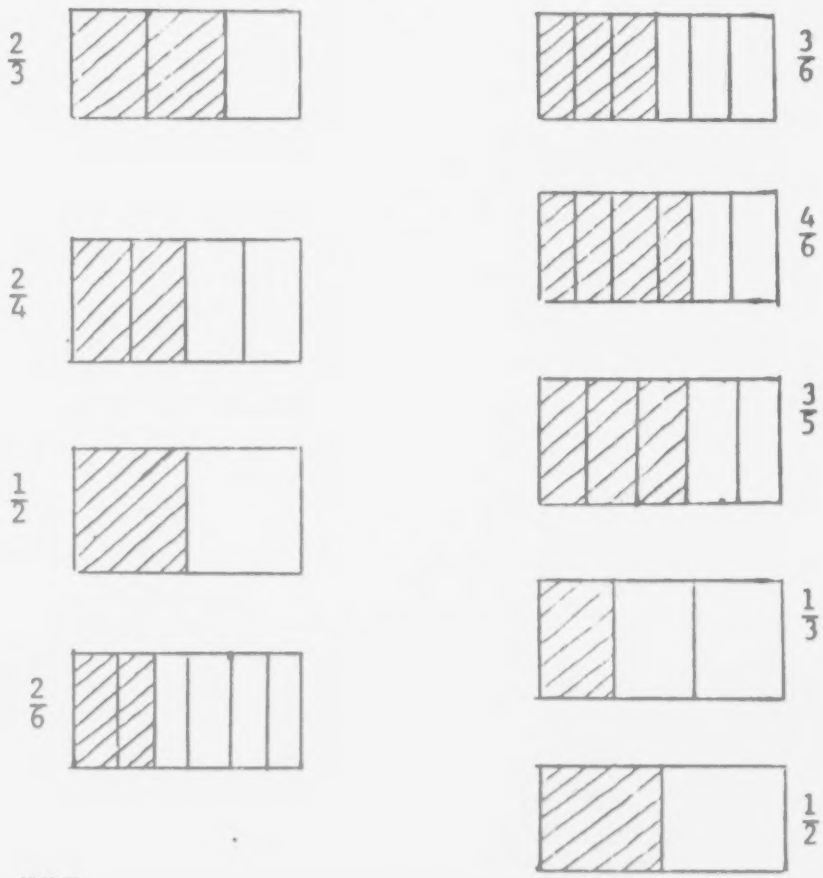
ANSWERS:



NOTE:

No. 4-258

MATCH THE RECTANGLES THAT ARE DIVIDED INTO EQUIVALENT PARTS.



NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-259

SKILL: IDENTIFY EQUIVALENT FRACTIONS TO SIXTHS.

MASTERY: 3 OF 4

ANSWERS:

1. $\frac{3}{6}$, $\frac{1}{2}$

2. $\frac{1}{2}$, $\frac{2}{4}$

3. $\frac{1}{3}$, $\frac{2}{6}$

4. $\frac{5}{5}$, 1

NOTE:

No. 4-259

FIND THE EQUIVALENT FRACTIONS IN EACH ROW AND CIRCLE THEM. (EXAMPLE: $\frac{2}{4}$ $\frac{3}{5}$ $\frac{4}{8}$ $\frac{1}{3}$)

1) $\frac{3}{6}$ $\frac{5}{7}$ $\frac{4}{5}$ $\frac{1}{2}$

2) $\frac{1}{2}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{1}{4}$

3) $\frac{1}{4}$ $\frac{1}{3}$ $\frac{2}{6}$ $\frac{3}{6}$

4) $\frac{5}{5}$ $\frac{3}{4}$ 1 $\frac{2}{3}$

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-260

SKILL: IDENTIFY WHICH OF THE 4 BASIC OPERATIONS SHOULD BE USED IN SOLVING WORD PROBLEMS.

MASTERY: 4 OF 4

ANSWERS:

1. SUBTRACT
2. DIVIDE
3. MULTIPLY
4. ADD

NOTE: MAKE SURE THE CHILDREN WRITE ONLY THE PROCESS TO BE USED.

No. 4-260

TO SOLVE EACH PROBLEM WOULD YOU ADD, SUBTRACT, MULTIPLY, OR DIVIDE?

1. DOTTIE HAD 5 NICKELS. SHE WENT TO THE STORE AND SPENT 2 OF HER NICKELS. HOW MANY NICKELS DOES SHE HAVE LEFT? _____

2. FOUR CHILDREN HAVE12 DONUTS TO SHARE. HOW MANY DONUTS WOULD EACH CHILD GET? _____

3. THERE ARE SEVEN ROWS OF DESKS IN THE ROOM. THERE APE FIVE DESKS IN EACH ROW. HOW MANY DESKS ARE IN THE ROOM _____

4. RON HAD 7 MARBLES. BOB HAD 8 MARBLES. JUDY HAD 11 MARBLES. HOW MANY MARBLES DID THEY HAVE TOGETHER? _____

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-261

SKILL: Solve statement problems where a sequence of operations is involved.

MASTERY: 3 of 4

ANSWERS:

1. 22
2. 5
3. 18
4. 37

NOTE: Numbers are correct. Labels are not necessary.

No. 4-261

READ EACH STORY AND FIND THE ANSWER.

1. In fourth grade there are thirteen boys and fifteen girls. Six children are sick today. How many children are present? _____

2. Ray has twenty-two cookies. He ate twelve cookies and gave five cookies to John. How many cookies does Ray have left? _____

3. Sharon and Fred went fishing. Sharon caught seven fish. Fred caught four more than Sharon. How many fish did they catch in all? _____

4. There are thirty-two people on the bus. At the first stop, five people got off and two got on. At the second stop eight more people got on the bus. How many people are on the bus now? _____

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-262

SKILL: USE MULTIPLICATION TO SOLVE WORD PROBLEMS.

MASTERY: 3 OF 4

ANSWERS:

1. 6 x 7 = 42 GLASSES OF MILK

2. 18 x 45 = 810 PROBLEMS

NOTE:

No. 4-262

SOLVE:

1. JACK DRINKS 6 GLASSES OF MILK A DAY. HOW MANY GLASSES OF MILK DOES JACK DRINK IN A WEEK?

2. THERE ARE 18 ADDITION PROBLEMS ON A PAGE. RUTH DID 45 PAGES. HOW MANY ADDITION PROBLEMS DID RUTH DO?

NAME:_____

NOT PASSED_____ PASSED_____
(DATE) (DATE)

NO. 4- 262 (PAGE 2)

SKILL: USE MULTIPLICATION TO SOLVE WORD PROBLEMS.

MASTERY: 3 OF 4

ANSWERS:

3. 213 x 9 = 1917 SEATS

4. 21 x 25 = 525 DESKS

NOTE:

No4-.262 (PAGE 2)

SOLVE:

3. THERE ARE 213 ROWS OF SEATS IN A BALL PARK WITH 9 SEATS IN EACH ROW. HOW MANY SEATS ARE IN THE BALL PARK?

4. IN RON'S SCHOOL, THERE ARE 21 CLASSROOMS. EACH CLASSROOM HAS 25 DESKS. HOW MANY DESKS ARE IN RON'S SCHOOL?

NAME:_____

NOT PASSED _____ PASSED _____

(DATE) (DATE)

NO. 4-263

SKILL: USE DIVISION

TO SOLVE WORD PROBLEMS WHERE THE DIVISOR IS ONE DIGIT.

MASTERY: 3 OF 4

ANSWERS:

1. 24

2. 41 R4

NOTE:

No. 4-263

SOLVE

1. FRED'S CLASS TAKES A FIELD TRIP. THERE ARE 72 STUDENTS IN THE CLASS. 3 BUSES ARE USED. HOW MANY CHILDREN ARE ON EACH BUS?

2. A SHUTTLE CAR CAN CARRY 7 PERSONS AT A TIME FROM BUILDING A TO BUILDING B. THERE ARE 291 PEOPLE TO BE TRANSPORTED. HOW MANY TRIPS WITH A FULL CAR?
HOW MANY PEOPLE ON THE LAST TRIP?

NAME:_____

NOT PASSED_____ PASSED_____
(DATE) (DATE)

NO. 4-263 (PAGE 2)

SKILL: USE DIVISION TO SOLVE WORD PROBLEMS WHERE THE DIVISOR IS ONE DIGIT.

MASTERY: 3 OF 4

ANSWERS:

3. 132

4. 13 R4

NOTE:

NO. 4-263 (PAGE 2)

SOLVE:

3. A FACTORY MAKES 6 CARS AN HOUR. HOW MANY HOURS WILL IT TAKE TO MAKE 792 CARS?

4. DEBBIE HAS 82 COINS IN HER COLLECTION. HER ALBUM HOLDS 6 COINS ON A PAGE. HOW MANY PAGES CAN SHE FILL? HOW MANY COINS WILL BE LEFT OVER?

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4- 264

SKILL: DETERMINE APPROPRIATE UNITS OF LINEAR MEASURE WITHIN THE METRIC SYSTEM (MM, CM, DM, M, KM).

MASTERY: 8 OF 10

ANSWERS:

1. KM
2. MM OR CM
3. MM
4. KM
5. CM OR DM
6. M OR DM
7. CM OR DM
8. MM
9. CM OR DM
10. KM OR M

NOTE: TEACHER MAY READ TEST WITH STUDENTS

No. 4-264

FILL IN THE BLANK WITH MILLIMETER, CENTIMETER, DECIMETER, METER, KILOMETER.

WHICH UNIT WOULD YOU USE TO MEASURE_____?

1. THE DISTANCE FROM THE EARTH TO THE MOON_____
2. THE LENGTH OF A LUNCH TICKET_____
3. THE THICKNESS OF A DIME_____
4. THE DISTANCE OF A BUS ROUTE_____
5. THE LENGTH OF A HOT DOG_____
6. THE LENGTH OF A BASEBALL BAT_____
7. THE LENGTH OF A PEN_____
8. THE THICKNESS OF A MATCH_____
9. THE LENGTH OF A CASSETTE TAPE_____
10. THE HEIGHT OF A MOUNTAIN_____

NAME:_____

NOT PASSED_____ (DATE) PASSED_____ (DATE)

NO. 4-265

SKILL: USE METRIC UNITS OF LINEAR MEASURE (MM, CM, DM, M, KM)

MASTERY:

ANSWERS:

SUGGESTED ITEMS THAT MAY BE MEASURED:

1. LENGTH OR WIDTH OF BASKET-BALL COURT
2. CHALKBOARD
3. CLASSROOM
4. LENGTH OF HALL
5. HEIGHT OF DOOR

NOTE:

NO. 4-265

TEACHER TESTED.

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-265

SKILL: SHOW RELATIONSHIPS BETWEEN METRIC UNITS OF LINEAR MEASURE (MM, CM, DM, M, KM)

MASTERY: 4 OF 5

ANSWERS:

1. 10
2. 10
3. 1000
4. 1000
5. 100

NOTE:

NO. 4-266

FILL IN THE BLANKS.

1. METER = _____ DECIMETERS
2. _____ MILLIMETERS = 1 CENTIMETER
3. 1 METER = _____ MILLIMETERS
4. _____ METERS = 1 KILOMETER
5. _____ CENTIMETERS = 1 METER

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-267

SKILL: DETERMINE APPROPRIATE UNITS OF LINEAR MEASURE WITHIN THE ENGLISH SYSTEM (INCH, FOOT, YARD, MILE)

MASTERY: 6 of 8

ANSWERS:

1. INCH
2. MILE
3. FEET
4. FEET OR MILE
5. INCH
6. MILE
7. YARD OR FEET
8. YARD OR FEET

NOTE:

NO. 4-267

FILL IN THE BLANKS WITH INCH, FEET, YARD OR MILE.

WHICH WOULD YOU USE TO MEASURE THESE ITEMS

1. LENGTH OF A DOLLAR BILL _____
2. DISTANCE FROM EARTH TO THE MOON _____
3. THE PRINCIPAL'S HEIGHT _____
4. DEPTH OF THE OCEAN _____
5. LENGTH OF A PENCIL _____
6. DISTANCE FROM LANCASTER TO DISNEY WORLD

   _____
7. LENGTH OF A CAR _____
8. LENGTH OF A SWIMMING POOL _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-268

SKILL: USE ENGLISH UNITS OF LINEAR MEASURE (INCH, FOOT, YARD, MILE)

MASTERY:

ANSWERS:

SUGGESTED ITEMS THAT MAY BE MEASURED:

1. LENGTH OR WIDTH OF BASKETBALL COURT
2. CHALKBOARD
3. CLASSROOM
4. LENGTH OF HALL
5. HEIGHT OF DOOR

NOTE:

No.4-268

TEACHER TESTED

NAME:_____

NOT PASSED_____ (DATE) PASSED_____ (DATE)

No. 4-269

SKILL: SHOW RELATIONSHIPS BETWEEN ENGLISH UNITS OF LINEAR MEASURE (INCH, FOOT, YARD, MILE).

MASTERY: 4 OF 4

ANSWERS:

1. 12
2. 3
3. 5,280
4. 36

NOTE:

No. 4-269

FILL IN THE BLANKS.

1. _____ INCHES = 1 FOOT
2. 1 YARD = _____ FEET
3. _____ FEET = 1 MILE
4. _____ INCHES = 1 YARD

NAME: _____

NOT PASSED _____ PASSED _____
(DATE) (DATE)

No. 4-270

SKILL: MEASURE LENGTH TO THE NEAREST HALF - INCH

MASTERY: 3 OF 4

ANSWERS:

1. 4 INCHES
2. 1 INCH
3. 2½ INCHES
4. 3 ½ INCHES

NOTE:

NO. 4-270

MEASURE EACH LINE SEGMENT TO THE NEAREST HALF - INCH

1. _____ INCHES
2. _____ INCHES
3. _____ INCHES
4. _____ INCHES

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-271

SKILL: FIND THE PERIMETER OF A GIVEN OBJECT WITHOUT THE USE OF A FORMULA.

MASTERY: 3 OF 4

ANSWERS:

1. 20 CM. 2. 34 M.

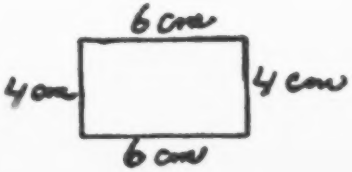
3. 215 KM 4. 29 IN

NOTE:

No.4- 271

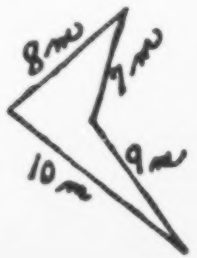
FIND THE PERIMETER OF THE FOLLOWING:

1.



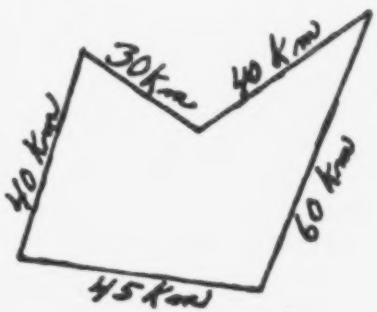
____ cm.

2.



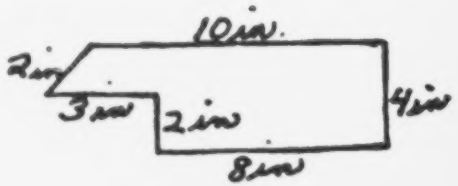
____ m.

3.



____ km

4.



____ in.

NAME _____

NOT PASSED_____ (DATE) PASSED _____ (DATE)

No. 4- 272

SKILL: IDENTIFY THE MILLILITER AS A UNIT OF CAPACITY.

MASTERY: 3 OF 3

ANSWERS:

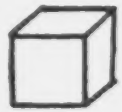
1. CENTIMETER CUBE
3. EYE DROPPER
4. BOTTLE CAP

NOTE:

No. 4- 272

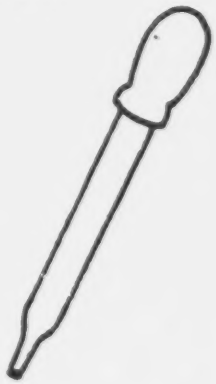
CIRCLE THE OBJECTS THAT WOULD HOLD ONLY A MILLILITER OF WATER.

1.



2.

3.



4.

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4-273

SKILL: IDENTIFY THE MILLIGRAM AS A UNIT OF MASS.

MASTERY: 1 OF 1

ANSWERS:

3. MILLIGRAM

NOTE:

No. 4-273

CIRCLE THE UNIT THAT WOULD BE USED TO MEASURE MASS.

1. MILLILITER

2. MILLIGRAM

3. MILLIMETER

4. METER

NAME:_____

NOT PASSED_____ PASSED_____

(DATE) (DATE)

No. 4-274

SKILL: IDENTIFY THE METRIC SYMBOLS (MM, CM, DM, M, KM, L, ML, MG, G, KG).

MASTERY: 8 OF 10

ANSWERS:

1. ML
2. M
3. C M
4. K M
5. M M
6. D M
7. M G
8. L
9. KG
10. G

NOTE:

No. 4-274

WRITE THE METRIC SYMBOL FOR EACH METRIC UNIT.

1. MILLILITER _____
2. METER _____
3. CENTIMETER _____
4. KILOMETER _____
5. MILLIMETER _____
6. DECIMETER _____
7. MILLIGRAM _____
8. LITER _____
9. KILOGRAM _____
10. GRAM _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-275

SKILL: COUNT SQUARE CENTIMETERS, DECIMETERS, AND METERS TO FIND AREA.

MASTERY: 3 OF 4

ANSWERS:

1. 7 SQ.CM 2. 5 SQ.DM

3. 6 SQ.DM 4. 5 SQ.M

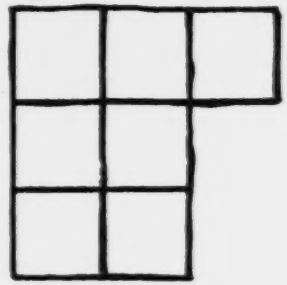
NOTE:

No. 4-275

COUNT THE SQUARES TO FIND THE AREA.

1.

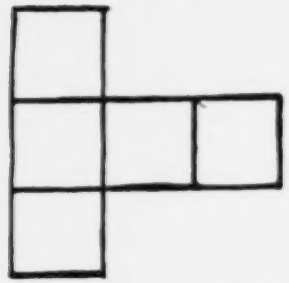
1 square = 1 sq. centimeter



___ sq. centimeter

2.

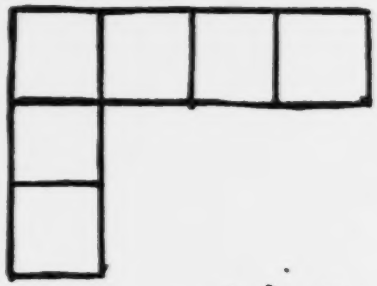
1 sq. = 1 sq. decimeter



___ sq. decimeter

3.

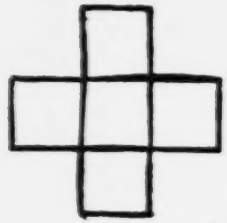
1 sq. = 1 sq. decimeter



___ sq. decimeters

4.

1 sq. = 1 sq. meter



___ sq. meter

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-276

SKILL: COUNT SQUARE INCHES, FEET, AND YARDS TO FIND AREA.

MASTERY: 3 OF 4

ANSWERS: 1. 6 SQ.FT. 2. 7 SQ. IN.

3. 10 SQ.YDS. 4. 8 SQ. IN.

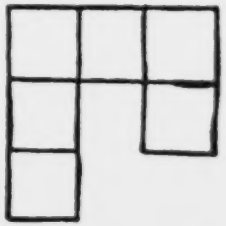
NOTE:

No. 4-276

COUNT THE SQUARES TO FIND THE AREA.

1.

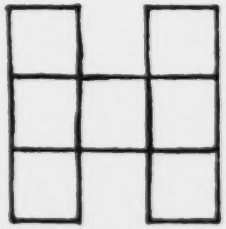
1 sq = 1 sq. ft.



___ sq. ft.

2.

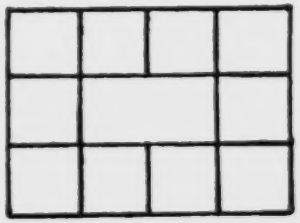
1 sq = 1 sq. in.



___ sq. in.

3.

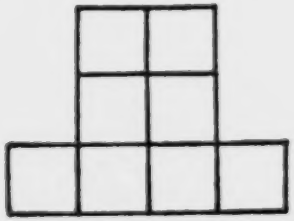
1 sq = 1 sq. yd.



___ sq. yd.

4.

1 sq = 1 sq. in.



___ sq. in.

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-277

SKILL: COUNT CUBIC CENTIMETERS TO FIND THE VOLUME.

MASTERY: 3 OF 4

ANSWERS:

1. 12 CUBIC CM

2. 4 CUBIC CM

3. 8 CUBIC CM

3. 12 CUBIC CM

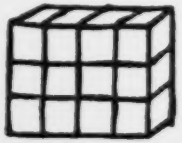
NOTE:

No. 4-277

COUNT THE CUBIC CENTIMETERS TO FIND VOLUMES.

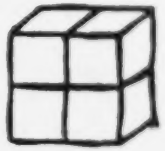
Each cube = 1 cubic centimeter

1.



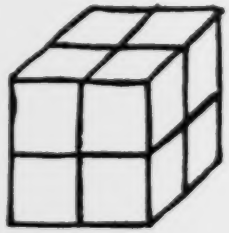
____ cub. cms.

2.



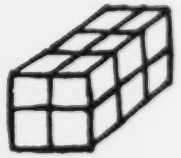
____ cub cms.

3.



____ cub. cms.

4.



____ cub. cms.

NAME _____

NOT PASSED_____ (DATE) PASSED _____ (DATE)

No. 4- 278

SKILL: COUNT CUBIC INCHES TO FIND THE VOLUME.

MASTERY: 3 OF 4

ANSWERS:

1. 4 CUBIC INCHES
2. 8 CUBIC INCHES
3. 18 CUBIC INCHES
4. 18 CUBIC INCHES

NOTE:

NO. 4- 278

COUNT THE CUBIC INCHES TO FIND THE VOLUME.

Each cube = 1 cubic inch

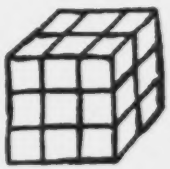
1.

____ cu in.

2.

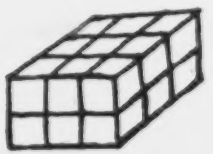
____ cu. in.

3.



____ cu. in.

4.



____ cu. in.

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-279

SKILL: IDENTIFY SOLID GEOMETRIC FIGURES (CYLINDER, CONE, CUBE, SPHERE, PYRAMID).

MASTERY: 5 OF 5

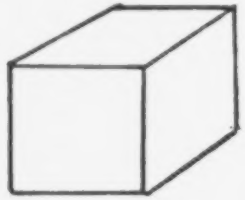
ANSWERS:

1. CUBE
2. CONE
3. CYLINDER
4. PYRAMID
5. SPHERE

NOTE:

No. 4-279

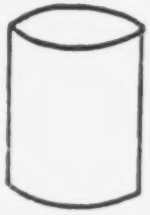
FILL IN THE BLANK WITH THE CORRECT WORD: CONE, CUBE, CYLINDER, SPHERE, PYRAMID.

1. 

1. _____

2.

2. _____

3. 

3. _____

4.

4. _____

5.

5. _____

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-282

SKILL: SOLVE ADDITION AND SUBTRACTION PROBLEMS INVOLVING MONEY.

MASTERY: 3 OF 4

ANSWERS:

1. $136.21
2. $ 8.51
3. $ 5.09
4. $ 48.83

NOTE:

No. 4-282

SOLVE:

1.
$ 105.75
+ 30.46

2. $14.49
- 5.98

3. $ 7.97
- 2.88

4. $ 1.48
42.35
+ 5.00

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-283

SKILL: MAKE CHANGE UP TO $1.00

MASTERY: 3 OF 4

ANSWERS:

1. CIRCLE 69¢
2. CIRCLE 16¢
3. CIRCLE 35¢
4. CIRCLE 81¢

NOTE:

No. 4-283

CIRCLE THE COINS THAT WOULD BE GIVEN BACK AS CHANGE.

	HAD	SPENT	CIRCLE THE CHANGE YOU WOULD RECEIVE
1)	$1.00	31¢	25 10 5 1 1 25 10 5 5 1 1
2)	75¢	59¢	1 5 5 5 10
3)	$5.00	$4.65	25 10 5 5 5
4)	$ 3.00	$2.19	50 25 10 10 1 5

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4- 284

SKILL: TELL TIME BY ONE MINUTE INTERVALS.

MASTERY: 3 OF 4

ANSWERS:

1. 10:07

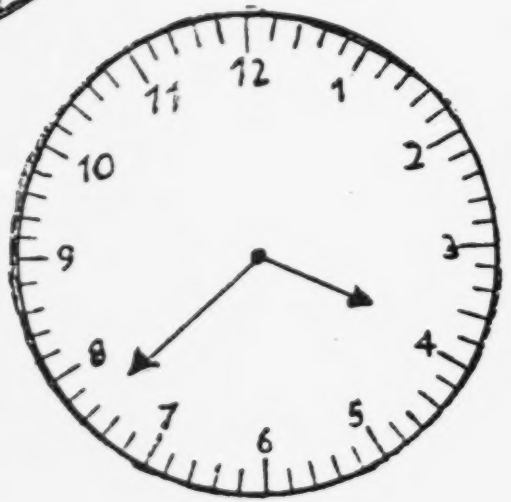
2. 3:38

NOTE: TEACHER TESTED

TELL THE CORRECT TIME.

1.

2.



NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4- 284 (PAGE 2)

SKILL:

MASTERY:

ANSWERS:

3. 7:25

4. 5:57

NOTE:

No. 4-284 (PAGE 2)

3.

4.

NAME _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

NO. 4- 285

SKILL: WRITE THE TIME IN TIME NOTATION TO THE ONE MINUTE INTERVAL.

MASTERY: 3 OF 4

ANSWERS:

1. A) 12:35
   B) 2:00

2. A) 3:29
   B) 7:07

NOTE:

No. 4-285

WRITE THE CORRECT TIME:

1. WHAT IS ONE MINUTE LATER THAN:

   A) 12:34 _____

   B) 1:59 _____

2. WHAT IS ONE MINUTE EARLIER THAN:

   A) 3:30 _____

   B) 7:08 _____

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)

No. 4-286

SKILL: IDENTIFY RELATIONSHIP BETWEEN HOURS, MINUTES, AND SECONDS.

MASTERY: 2 OF 2

ANSWERS:

1. 60

2. 60

NOTE:

No. 4-286

FILL IN THE BLANKS.

1. _____ MINUTES = 1 HOUR

2. 1 MINUTE = _____ SECONDS

NAME: _____

NOT PASSED _____ PASSED _____
(DATE) (DATE)

NO. 4- 287

SKILL: IDENTIFY THE RELATIONSHIP BETWEEN YEAR, DECADE, AND CENTURY.

MASTERY: 3 OF 3

ANSWERS:

1. 100
2. 10
3. 10

NOTE: MAY BE TAUGHT WITHIN THE SOCIAL STUDIES UNIT.

No. 4-287

FILL IN THE BLANKS:

1. 1 CENTURY = _____ YEARS
2. 1 DECADE = _____ YEARS
3. 1 CENTURY = _____ DECADES

NAME: _____

NOT PASSED _____ (DATE) PASSED _____ (DATE)